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P.002/003

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S/N 10/003,240PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Don Danielson et al.

Examiner: Mackey

Serial No.: 10/003,240

Group Ar: Unit: 1775

Filed: October 6, 2001

Docket No.:

884.614US1

Title: ETCHANT FORMULATION FOR SELECTIVELY REMOVING THIN FILMS

IN THE PRESENCE OF COPPER, TIN, AND LEAD

PROPOSED EXAMINER'S AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

IN THE SPECIFICATION

The paragraph beginning at page 4, line 17 is amended as follows:

Figure 3 illustrates further processing that is carried out where passivation layer 20 and metallization 14 are covered with a metal first layer 26 a metal second layer 28, a metal third layer 30, and a metal upper layer 32. In one embodiment, metal first layer 26 is a refractory metal such as titanium, zirconium, hafnium, and the like. Other refractory metals for metal first layer 26 include nickel, cobalt, palladium, platinum, and the like. Other refractory metals for metal first layer 26 include chromium, molybdenum, tungsten, and the like. Other [refractory] metals for metal first layer 26 include the refractory metals scandium, yttrium, [lanthanum, cerium,] and the like, and the metals lanthanum, cerium and the like. One property embodiment is a metal first layer 26 that exhibits sufficient adhesion to the metallization that liftoff or spalling thereof will not occur during fabrication, test, and ordinary field use.

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To: Examiner Mackey**Company: US Patent & Trademark Office****Fax #: 703 872-9130****From: John N. Greaves****Date: 06-02-2003****Re: Proposed Examiner's Amendment**

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Dear Examiner Mackey:

Per our conversation, please see attached.

John N. Greaves
Registered Patent Attorney

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